

Patent claims:

- 5 1. A passenger seat, an air passenger seat in particular, having the following features:
- a seat frame (10) with several seat separators (12, 14, 16, 18),
  - several back rests, each being articulated on the seat frame between two seat  
10 separators at a time and being adjustable in their positions with respect to the seat  
separators via one adjustment device for each back rest,
  - several sitting parts, which are each fixed on the seat frame between the seat  
separators (12, 14, 16, 18) and of which at least one is collapsible into an  
approximately vertical position,  
characterised in that
- 15 the adjustment device for that back rest which belongs to the collapsible sitting part  
has a lever device (28) and a spring element (38), which are arranged on one of the  
seat separators delimiting the collapsible sitting part on the side facing the sitting  
part, the lever device (28) is swivelling connected with the seat separator, a first  
lever arm (36) of the lever device being connected with the spring element (38) and  
20 a second lever arm (32) of the lever device being connected with the back rest.
2. A passenger seat according to claim 1, characterised in that the seat frame has a  
support (24), running essentially in the horizontal direction, which is connected with  
the seat separators.
- 25 3. A passenger seat according to claim 1 or 2, characterised in that at least two seat  
separators are provided with feet (20, 22).

4. A passenger seat according to claim 1 or 2, characterised in that at least two feet and the seat separators are fixed on the seat as separate component parts.
5. A passenger seat according to claim 2 or 3, characterised in that for each back rest, at least one of the respective lateral seat separators has an arm (42), running in the horizontal direction, which points away from the back rest.
6. A passenger seat according to claim 5, characterised in that the spring device (38) is fixed on the arm (42).
- 10 7. A passenger seat according to one of claims 1 or 6, characterised in that the collapsible sitting part is articulated on the seat separator with at least one supporting beam (44).
- 15 8. A passenger seat according to claim 7, characterised in that the supporting beam (44) is articulated on the seat separator opposite to the lever device (28).
9. A passenger seat according to claim 7 or 8, characterised in that a readjustment device (46, 48, 50) readjusts the collapsible sitting part into its vertical position.
- 20 10. A passenger seat according to claim 9, characterised in that the readjustment device has a spring element (50), which runs essentially along the seat separator.
11. A passenger seat, air passenger seat in particular, having the following features:
- 25
- a seat frame with several seat separators,
  - several back rests, each being articulated on the seat frame between two seat separators and being adjustable in their positions with respect to the seat separators via an adjustment device,

- several sitting parts, which are each fixed on the seat frame between the seat separators,

characterised in that

the adjustment device for at least one back rest has a spring element (60) arranged in  
5 the back rest, which runs essentially in parallel to a swivelling axis of the back rest  
and the one end (62) of which co-operates with the seat separator in such a manner  
that the length of the spring element determines the inclination of the back rest.

12. A passenger seat according to claim 11, characterised in that at least one of the  
10 sitting parts is collapsible into an approximately vertical position.

13. A passenger seat according to claim 11 or 12, characterised in that the  
readjustment device has a guidance (64), which is fixedly connected to the seat  
separators and in which the one end (62) of the spring element (60) is movably  
15 mounted.

14. A passenger seat according to claim 13, characterised in that the guidance (64)  
extends linearly and is inclined with respect to the horizontal direction.

20 15. A passenger seat according to claim 11 or 12, characterised in that the one end of  
the spring co-operates with a reversing lever (74), which is connected with the  
spring element (60, 72) on one end and the other end of which is arranged in an  
accommodation (82) which is fixedly connected with the seat separator, the  
reversing lever (74) being articulated on the back rest (78) between the ends.

25 16. A passenger seat according to claim 15, characterised in that the arms of the  
lever are substantially at right angles with respect to each other.

17. A passenger seat according to claim 11 or 12, characterised in that the one end of the spring co-operates with a reversing lever, which is connected with the spring element on one end and the other end of which is articulated on a mounting which is fixedly connected with the seat separator, the reversing lever being articulated on the  
5 back rest between the ends.

18. A passenger seat according to any one of claims 1 to 17, characterised in that a pneumatic spring is provided as a spring element (38; 60).